

Published Serial No. 550425

Title Liquid crystal sealant composition, liquid crystal display element and production process for a liquid crystal display cell

Patent type B

Date of Grant 2003/9/1

Application Number 089106036

Filing Date 2000/3/31

IPC G02F1/1339 & C08K3/00

Inventor KITAMURA, TADASHI(JP)

Priority	Country	Application Number	Priority Date
	JP	19990094580	1999/04/01

Applicant	Name	Country	Individual/Company
	MITSUI CHEMICALS INC.	JP	Company

Abstract Provided is a liquid crystal sealant composition in which an aqueous solution obtained by admixing the epoxy resin composition with purified water has an ionic conductivity of 1 mS/m or less; the B stage-reduced product has a viscosity of 50 to 10000 Pa.s at 80 to 100 DEG C; the cured matter of the above composition has a linear expansion coefficient of 10×10^{-5} mm/mm/DEG C or less and a heat deformation temperature Tg of 100 DEG C or higher; and the above cured matter has a moisture permeability of 200 g/m².24 hours or less at 80 DEG C and which can meet a liquid crystal display element (cell) produced by a single layer press hot bonding system and exhibits high adhesion seal reliability and makes it possible to produce a homogeneous liquid crystal display element having a high quality